DSA HPS Scorecard and Guidelines

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CHPS SECTION			2002 CRITERIA SUMMARY: FOR DETAILED EXPLANATION SEE "CHPS BEST PRACTICES MANUAL VOLUME 3 - CRITERIA," 2002 EDITION	HPS Maximum possible points	POINTS Claimed	DSA VERIFICATION	DSA - DOCUMENTS NEEDED FOR REVIEW. VIA SEPARATE SUBMITTAL, IDENTIFY EACH CATEGORY & ASSOCIATED PREREQUISITE OR CREDIT--SUCH AS--SSP1.1, OR EEC4.1. THEN, PROVIDE SPECIFIC INFORMATION OR SUPPORTING DOCUMENTATION DESCRIBED IN THIS COLUMN	PLANS**	SPECS	DIST LETTER OR SUPPORTING DOCUMENTS	SITE VERIFY	Option under 2006
SITE (2 prerequisites; 14 possible points)												
1. Site Selection (6)												
SSP1.1	Code Compliance	Req	P1.1. Comply with all requirements of Title 5	X	X		OPSC to Verify					
SSC1.1	Sustainable Site Selection		1.1. No development on sites that are: prime agricultural land, in flood zone, habitat for endangered species, parkland	1			State Parcel # and how far above (elevation) the 100 -Year Flood plain or submit PDF file of FEMA website map.			√		
SSC1.2			1.2. Do not develop on green fields	1			State prior use of land:(e.g. farmland) _____	√				
SSC1.3			1.3. Create centrally located sites within which 50% of students are located within minimum distances of the school	1			State percentage of Elem, Middle and HS students within prescribe distance.			√		
SSC1.4			1.4. Joint use of facilities	1			List the groups and contact information of Joint-use facilities. Identify facilities and/or spaces.	√		√		
SSC1.5			1.5. Joint use of parks	1			List the groups and contact information of Joint-use parks.	√		√		
SSC1.6			1.6. Reduced building footprint	1			Provide floor area ratio (FAR) calculation	√				
2. Transportation (3)												
SSC2.1	Transportation		2.1. Near public transit	1			Identify transit system(s) and provide website link(s)					
SSC2.2			2.2. Provide bike racks & bike lanes for 15% of school population	1			Cite CSI Section or plan sheet. List number and type of racks, and provide bike lane and sidewalk infomation.	√	√		√	√
SSC2.3			2.3. Minimize parking lot & create preferred parking for carpools	1			List number of classrooms by school level. List number of carpool spaces and total number of parking spaces on the plans.	√			√	
3. Storm water Management (2)												
SSP2.1	Construction Erosion	Req	P2.1. Control erosion & sedimentation to reduce negative impacts on water & air quality	X	X		Cite CSI Section or provide date and file/id number of SWPPP with State Water Resources Control Board or regional affiliate.		√			
SSC3.1	Post-construction Management		3.1. Minimize runoff	1			Cite CSI Section if applicable. Calculate existing and post-development imperviousness in %. State methods to reduce runoff.	√	√	√		
SSC3.2			3.2. Treat runoff	1			Cite CSI Section or plan sheet. Identify installed systems to remove 80% of TSS and 40% of the TP. Show calculation of "Percentage of Runoff Stormwater Treated."	√	√	√	√	
4. Outdoor Surfaces (2)												
SSC4.1	Design to Reduce Heat Islands		4.1. Shade or lighten impervious areas, OR reduce impervious parking	1			Cite CSI Section or plan sheet. Describe strategy to reduce Heat Island with impervious areas associated with parking. Show calculation of "Percentage of Surface Covered"	√	√	√	√	
SSC4.2			4.2. Install cool roof	1			Cite CSI Section. Identify roofing material and show calculation of "Percentage of Cool/Green Roof."	√	√	√	√	√

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5. Outdoor Lighting (1)											
SSC5.1 Light Pollution Reduction		5.1. Minimize outdoor illumination with no direct beam leaving site	1			Cite CSI Section. Identify the IESNA zone and maximum foot-candles leaving site.	√	√			
WATER (1 prerequisite; 5 possible points)											
1. Outdoor Systems (2)											
WEP1.1 Create Water Use Budget	Req	P1.1. Establish & comply with water use budget	X	X		Provide Maximum Applied Water Allowance (MAWA) calculation. Cite plan sheet.	√		√		
WEC1.1 Reduce Potable Water for Landscaping		1.1. Use high efficiency irrigation technology, OR reduce potable water consumption for irrigation by 50 or 100%	2			Cite CSI Section. Provide calculations for percentage of reduction per budget; strategies employed; or no irrigation.	√	√			
2. Indoor Systems (3)											
WEC2.1 Water Use Reduction		2.1. 50% reduction in potable water use for sewage conveyance with reclaimed water	1			Cite CSI Section. Provide calculations for "Total Percent Water Saved."	√	√	√		
WEC2.2		2.2. Decrease water use by 20 or 30% after meeting Energy Policy Act	2			Cite CSI Section. Provide calculations for "Total Percent Water Saved."	√	√	√		
ENERGY (2 prerequisites; 25 possible points; minimum 2 points required)											
1. Energy Efficiency (14)											
EEP1.1 Minimum Energy Performance	Req	P1.1. Design building to exceed Title 24-2001 or Title 24-2005 by 10%, by OR include prescriptive package of measures.	X	X		Provide DSA receipt date of DSA-1. For each building, submit electronic version of Title 24 model and PDF files of Title 24 reports or PDF for prescriptive options. Refer to Energy Checklist for High Performance School (HPS) Projects	√	√	√	√	~~√~~
EEC1.1 Superior Energy Performance		1.1. 15% to 35% reduction in total net energy use from Title 24-2001 baseline, or include prescriptive package of measures. Refer to Energy Addendum for 2005 Energy Code credits.	10			For prescriptive method list and specify high performance measures. For performance method submit electronic version of Title 24 model and PDF files of Title 24 reports for each building. Refer to Energy Checklist for High Performance School (HPS) Projects	√	√	√	√	
EEC.2.1 Natural Ventilation		2.1. HVAC interconnect controls with operable windows & doors	1			Cite CSI Section or plan sheet. Confirm that interlock were installed that turn off HVAC systems if operable windows or doors are opened.	√	√			
EEC2.2		2.2. Design 90% of classrooms without air conditioning	3			State percentage of classrooms without air-conditioners and list methods for sufficient ventilation.	√	√		√	
2. Alternate Energy Sources (7)											
EEC3.1 Renewable Energy		3.1. 5 to 35% of net energy use supplied by renewable energy or distributed generation - 1pt per for each 5%.	7			Cite CSI Section. Provide percentage of building's annual source energy savings by renewable energy or distributed generation.	√	√	√	√	

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3. Commissioning & Training (4)												
EEP2.1	System Testing & Training	Req	P2.1. Third party or district verification of building systems & training	X	X		Cite CSI Section. Identify responsible party (provide contact number) and identify systems to be commission and training to be provided.		√	√	√	
EEC4.1	Commissioning		4.1. Basic commissioning tasks	3			Cite CSI Section or Identify responsible party (provide contact number) and identify systems to be commission and training to be provided.		√	√	√	
EEC5.1	Energy Management Systems		5.1. Install an Energy Management System to measure & control loads	1			Cite CSI section of EMS monitoring systems, controls and tranining manual.	√	√		√	
MATERIALS (1 prerequisite; 11 possible points)												
1. Waste Reduction & Efficient Material Use (7)												
MEP1.1	Storage and Collection of Recyclables	Req	P1.1. Meet local standards for recycling space & have spaces dedicated to recycling	X	X		Cite plan sheet to dentify where on the school site an area is dedicated for the separation, collection, and storage or materials. Identify what materials wil be recycled.	√	√	√		
MEC1.1	Site Waste Management		1.1. Meet local ordinances, develop waste management plan, & recycle 50 or 75% of construction waste	2			Cite CSI Section for Construction Waste Management Plan. Provide total demolition and construction waste generated versus total amount diverted by weight.		√	√		
MEC2.1	Building Reuse		2.1. Reuse 75% or 100% of previous structure (+ 50% of non-shell systems for 3 points)	3			Cite CSI Section and identify which portions of the existing structure were reused and provide the Building Reuse % calculation.	√	√			
MEC3.1	Resource Reuse		3.1. Specify salvaged or refurbished materials for 5 or 10% of building	2			Cite CSI Section and identify which portions of the existing structure were salvage ore refurbished and provide the Salvage Rate % calculation.	√	√			
2. Sustainable Materials (4)												
MEC4.1	Recycled Content		4.1. 25 or 50% of building materials meet requirements. 1 or 2 points. Alternative: Prescriptive (1 pt)- specify 4 major materials from certified EEP	2			Identify approach and provide completed ME Materials worksheet.	√	√	√		
MEC5.1	Rapidly Renewable Materials		5.1. 5% of materials are rapidly renewable	1			Identify approach and provide completed ME Materials worksheet.	√	√	√		
MEC6.1	Certified Wood		6.1. 50% of wood must be certified	1			Identify approach and provide completed ME Materials worksheet.	√	√	√		
INDOOR ENVIRONMENTAL QUALITY (3 prerequisites; 17 possible points)												
1. Day lighting (4)												
EQC1.1	Day lighting in Classrooms		1.1. Minimum 2% daylight factor in 75% of classrooms	3			Cite CSI Section. Specify calculation approach (LEED calculator or the CHPS 2006 EQ1.1.3), and daylighting factor or percentage of classrooms with daylighting.	√	√	√		√
EQC1.2			1.2. Direct line of site glazing for 90% of classrooms	1			Include Classroom Worksheet of percentage of classrooms with "View Windows."	√	√	√		

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2. Indoor Air Quality (9)												
EQP1.1	Minimum Requirements	Req	P1.1. HVAC must meet Title 24 ventilation requirements, Cal/OSHA performance requirements, & satisfy ASHRAE 62 requirements for outdoor air supply	X	X		Cite CSI Section for applicable requirements of P1.1 thru P1.5.	√	√			
EQC2.1	Low-Emitting Materials		2.1. Building materials (paints, ceiling tiles, carpet, adhesives, etc.) meet chemical emission rates detailed in CHPS material specifications	4			Cite CSI Section and list the low emitting materials specified and their manufacturer and/or product name.	√	√			
EQC3.1	Pollutant Source Control		3.1. Control dust, segregate pollutant sources, local exhaust in kitchens, appropriately plumbed drains in chemical storage areas	1			Cite CSI Section. List location of area with pollutant source controls. Include strategies to meet criteria.	√	√	√		
EQC3.2			3.2. Install ducted HVAC returns	1			Cite CSI Section. Confirm installation of ducted HVAC returns.	√	√			
EQC3.3			3.3. Use high efficiency filters	1			Cite CSI Section. Confirm installation of high efficiency filters and filter type.	√	√			
EQC4.1	Construction IAQ Management Plan		4.1. Create & implement specified construction IAQ plan	1			Cite CSI Section or provide contact information of person responsible for IAQ plan.		√			
EQC4.2			4.2. Flush out building or conduct IAQ testing	1			Cite CSI Section or provide contact information of person responsible for flush out. Post-construction verify.		√			
3. Acoustics (2)												
EQP2.1	Minimum Acoustical Performance	Req	P2.1. Classrooms must have a maximum (unoccupied) noise level of 45dbA, with maximum (unoccupied) reverberation times of 0.6 sec.	X	X		Cite CSI Section or list strategies used to achieve the required noise and reverberation level.	√	√		√	
EQC5.1	Improved Acoustical Performance		5.1. Classrooms must have a maximum (unoccupied) noise level of 40dbA or 35 dbA, with maximum (unoccupied) reverberation times of 0.6 sec.	2			Cite CSI Section or list strategies used to achieve the required noise and reverberation level.	√	√		√	
4. Thermal Comfort (2)												
EQP3.1	ASHRAE 55 Code Compliance	Req	P3.1. Comply with Title 24 required ASHRAE 55-1992 thermal comfort standard	X	X		Cite CSI Section.	√	√			
EQC6.1	Controllability of Systems		6.1. Operable windows in classrooms	1			One operable window per classroom	√	√			
EQC6.2			6.2. Temperature & lighting controls in all classrooms	1			Cite CSI Section.	√	√			
TOTAL (Minimum points required for HPS school is 23 of possible 72)				**72**	**0**	**0**						

Registered Principal Architect (Signature)

Name, Title, Date (Please print)

** _ **Reference Plan Sheet**

Prerequisites - Must meet prerequisites

2006 CHPS Version Option

Unprotected cells - For HPS Project Manager Inputs

Site Verification